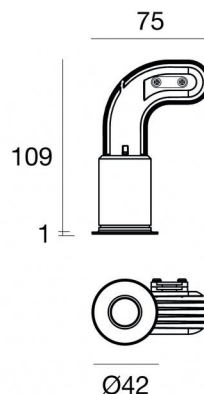




Downlights | 1 x powerLED 6 W DC 500 mA | CRI 80  
**90560W15**



Technical data	
Type	Encasement with flange
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	powerLED
Optics	Spot
Light emission direction	downward
Nominal power	6 W DC
Source lumens	659 lm
Input voltage range	500mA
CCT / Tone	3000 K
Colour rendering index	80 Ra
C.C. / C.V.	CC
Safety class	3
IP	IP44
Optical compartment IP	IP65
Glow wire test	850°
Direct mounting on normally flammable surfaces	Yes
CE	Yes
Driver included	No
Dimmable article	DALI - 1-10V
Directional	No
Tilting	No
Walk-over	No
Drive-over	No
Cable included	Yes
Cable length	0.170 m
Resin potting	No
Type of light emission	Single emission
Net weight	0.128 Kg
Electrostatic discharge protection	No
Surge protection	No
Optics technology	F.O.L.
Product technological characteristics	TVS

### Finishing casing

Material	Aluminium 6026
Colour	White
Processing	Powder coating

### Finishing diffuser

Material	UV Resistant Polycarbonate
Colour	transparent

### Finishing radiator

Material	Die-cast Aluminium EN AB - 46100
Colour	Aluminium
Processing	Polishing

### Electronics



99106  
On/Off Driver 198-264V AC (2 - 3 art.)



99377  
On/Off Driver 198-264V AC (1 art.)



99714  
1-10V Controller (1 art.)



99715  
DALI Controller 198-264V AC / 180-275V DC (1 art.)

### Cables Electrification

Cable connector	No
-----------------	----



Downlights | 1 x powerLED 6 W DC 500 mA | CRI 80 | Base **90560W15**

Single emission recessed downlights for indoor application. The warm white LED light source with a spot light distribution is composed of 1 powered LEDs with CCT of 3000 K and a CRI 80; the source luminous flux is 659 lm, with a 109.8 lm/W nominal luminous efficacy.

The device body is made of aluminium 6026 and features a white finish, processed by means of powder coating; the diffuser is made of uv resistant polycarbonate. The ingress protection degree is IP44; the total weight is of 0.128 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 6 W. The power supply cable is included and features a 0.170 m length.

The device features protection class III and can be ceiling-mounted, with a 35 mm diameter hole (in plasterboard).

Compliant with the EN 60598-1 standard and its specific provisions.

### Energy efficiency class

This product contains a light source of energy efficiency class E.

### Illuminotechnical Features

Light Output Ratio (LOR)	67 %
Source lumens	659 lm
Delivered lumens	446 lm
Consumption	6 W
Luminaire efficacy	74 lm/W
Colour temperature	3000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Colour rendering index	80 Ra

Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	40°C

### LED Life / Failure Ratio

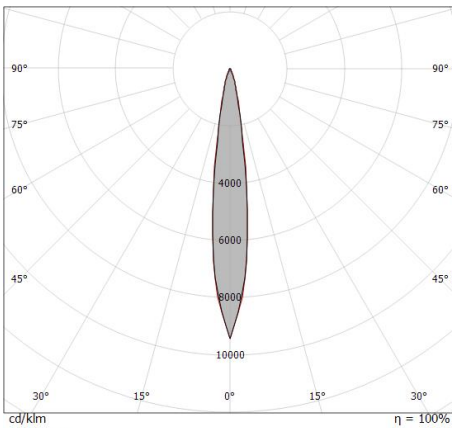
L70 B10 C0 247450h (at Tj 60 Ta 25 )

### UGR

UGR axial	21.7
UGR transversal	21.6
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	15°
Light distribution simmetry	Symmetrical



Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.13 0.13	E(0°) 16812 E(C90) 7.3° 8248 E(C0) 7.4° 8218
1.0	0.26 0.26	E(0°) 4203 E(C90) 7.3° 2062 E(C0) 7.4° 2055
1.5	0.38 0.39	E(0°) 1868 E(C90) 7.3° 916 E(C0) 7.4° 913
2.0	0.51 0.52	E(0°) 1051 E(C90) 7.3° 516 E(C0) 7.4° 514
2.5	0.64 0.65	E(0°) 672 E(C90) 7.3° 330 E(C0) 7.4° 329
3.0	0.77 0.78	E(0°) 467 E(C90) 7.3° 229 E(C0) 7.4° 228

— C0/C180 (Half-peak divergence: 14.8°)  
— C90/C270 (Half-peak divergence: 14.6°)